1114-47-185 **Don Hadwin*** (don@unh.edu) and **Tatiana Shulman**. *Tracially Stable C*-algebras*. Preliminary report.

The notion of weak semiprojectivity and stable relations can be expressed in terms of "partial liftings" of unital *-homomorphisms into ultraproducts of C*-algebas. We define an analogue for separable unital C*-algebras in terms of *-homomorphisms into tracial ultraproducts of C*-algebras. We focus on special cases with the restriction that the algebras in the ultraproduct belong to special classes. We characterize matricial tracial stability for nuclear C*-algebras. We show that a commutative separable algebra is tracially stable if and only if its maximal ideal space is "approximately path-connected" (perhaps a new topological concept). (Received August 26, 2015)